

# Marco Voltolini

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## PERSONAL AND CONTACT INFORMATION

Date of birth: 12 June 1975  
Birthplace: Desenzano del Garda (Italy)  
Nationality: Italian  
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## EDUCATION

- Ph.D. Earth Sciences, Università degli Studi di Milano. February 2006.
  - M.S. ("Laurea") Earth Sciences, Università degli Studi di Milano. June 2001.
  - High School diploma at Liceo Scientifico "G. Bagatta", Desenzano del Garda.
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## RESEARCH INTERESTS

- Microtomography and development of novel data/image processing techniques (2D, 3D)
  - X-Ray Powder Diffraction, especially texture analysis and HP/HT experiments
  - Development of new approaches, for both the instrumental part and the data analysis, using synchrotron radiation (involving XRPD and microtomography).
  - Texture (quantification of microstructural parameters and preferred orientation) analysis with a variety of different techniques (synchrotron X-ray diffraction, neutron diffraction, EBSD, TEM, X-ray microtomography).
  - Digital rock physics: modeling physical properties from experimental data: e.g. seismic velocities from diffraction and/or microtomography measurements, hydraulic properties of rocks using microtomography data (permeability, diffusivity, single and multiphase flow,...).
  - Mineral dissolution/crystallization kinetics.
  - Thermodynamics of aqueous solutions.
  - Atomic Force Microscopy on crystal surfaces.
  - Zeolites, clays, sulfides. Shales, limestones, sandstones for reservoir/caprock characterization. Highly deformed rocks, for structural geology studies.
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## PROFESSIONAL EXPERIENCE

- June 2012 - present  
Project scientist at the Lawrence Berkeley National Laboratory. Main research topic is the 3D quantitative characterization via synchrotron X-ray microtomography of materials related to the CO<sub>2</sub> geological sequestration and exploitation of oil and gas shales (pyrolysis and hydraulic fracturing). The current job includes both the experimental and the analysis/modeling part. Complementary techniques (SEM/EDS, XRPD, Hg porosimetry, etc.) are also routinely used for the characterization of samples.
- July 2010 - May 2012  
Postdoctoral fellowship from the "Universita' di Padova". Main focus was the development of the "pencil beam" diffraction tomography technique aimed at studying the cement hydration processes. I was Long-term project visiting postdoc at the ID22 beamline, European Synchrotron Radiation Facility, Grenoble.
- Jan. 2009 - June 2010  
Postdoctoral fellowship at the SYRMEP beamline at the Elettra synchrotron about X-Ray microtomography, with special focus on the quantitative analysis of data.

- Nov. 2006 - Nov. 2008

Postdoctoral fellowship (Earth and Planetary Science Department at UC Berkeley) about texture analysis by means of diffraction techniques on clays, shales, bones, high pressure and temperature experiments, using synchrotron X-rays, neutrons and electrons (TEM and EBSD) probes.

- Jan. 2006 - Nov 2006

Postdoctoral fellowship (Universita' degli Studi di Milano) about cement hydration and alteration processes kinetics (XRPD) and synchrotron X-ray microtomography.

- Nov. 2002 - Jan. 2006

Ph.D. activity at the Università degli Studi di Milano (partnership with EniTecnologie and Politecnico di Milano) about H<sub>2</sub>S-rich fluids reactivity with different rock materials, focusing on the geological sequestration (and tracing) of sour gas (using mostly XRPD and XR microtomography both with lab and synchrotron radiation sources).

- Jan. 2002 - Nov. 2002

Ph.D. activity at Mineralogische-Petrographisches Institut der Universitaet Basel (CH) concerning XRD studies on metamict zircon annealing at high pressure (diamond anvil cell XRD).

- Oct. 2001 - Dec. 2001

Post-lauream grant at the Università degli Studi di Milano to study zeolites dissolution kinetics using Atomic Force Microscopy and development of a controlled temperature fluid-cell. Hydrothermal synthesis of synthetic zeolites was also part of the work.

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#### SKILLS

- Languages: Italian (native), English (fluent), Japanese and German (basic).
  - Computer: MatLab, basic Python, Delphi and various scripting languages (bash, ImageJ macros/plugins, etc.).
  - Scientific software: GSAS, MAUD, Fit2D, XRDUA, Beartex, ImageJ/Fiji, VGStudio, Octopus, Cobra, Avizo (Fire), PHREEQCI, Crystals and WinGX program suites.
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#### LABORATORY EXPERIENCE

- Atomic Force Microscopy, also with fluids cell for in situ experiments.
  - X-Ray Powder Diffraction. Very good experience, with both conventional diffractometers and synchrotron light sources (experience at several different beamlines at ESRF, APS, ALS). Familiar also with measurements in situ, at non-ambient conditions (HP/HT: diamond anvil cells, D-Dia). Very good knowledge of Rietveld analysis and peak-fitting methods. Also good experience with "pencil-beam" diffraction tomography (ID22 at ESRF).
  - Microtomography measurements (absorption, phase-contrast, phase retrieval), mainly with synchrotron radiation sources (Elettra and ALS, but also SLS and ESRF), but also cone-beam lab setups.
  - Very good experience in image processing techniques, 2D/3D.
  - X-ray Single crystal diffraction, a little experience, also with diamond anvil cells.
  - Optical microscopy: petrographic microscope.
  - SEM/EDS/EBSD/FIB.
  - Hydrothermal zeolite synthesis. Good knowledge of chemical laboratory procedures.
  - Basics in TEM.
  - A little experience with TGA/DTG/DSC, IR spectroscopy, XRF, porosimetry (He, Hg), AAS spectroscopy.
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#### RECREATIONAL ACTIVITIES AND INTERESTS

I practice some sports (swimming, volley, soccer, skiing...), reading (science/math, cooking, and manuals in general), computers, home cooking, lapidary (faceting, carving and cabbing), mountain hiking, Eastern Asian culture.

## **Publications**

- Direct Imaging of Nucleation Mechanisms by Synchrotron Diffraction Micro-Tomography: Superplasticizer-Induced Change of C-S-H Nucleation in Cement.  
G. Artioli, L. Valentini, M. Voltolini, M.C. Dalconi, G. Ferrari and V. Russo.  
*Under review for "Crystal Growth & Design" (2014).*
- Near-liquidus growth of feldspar spherulites in trachytic melts: 3D morphologies and their implications in crystallization mechanisms  
F. Arzilli, L. Mancini, M. Voltolini, M.R. Cicconi, S. Mohammadi, G. Giuli, E. Paris and M.R. Carroll  
*Accepted for publication on Lithos (2014).*
- Imaging of nano-seeded nucleation in cement pastes by X-ray diffraction tomography  
G. Artioli, L. Valentini, M.C. Dalconi, M. Parisatto, M. Voltolini, V. Russo, and G. Ferrari  
*International Journal of Materials Research (2014).*
- The 3D quantitative lattice and shape preferred orientation of a mylonitised metagranite from Monte Rosa (Western Alps): Combining neutron diffraction texture analysis and synchrotron X-ray microtomography.  
M. Zucali, M. Voltolini, B. Ouladjaaff, L. Mancini and D. Chateigner  
*Journal of Structural Geology 63 (2014): 91-105.*
- Quantitative 3D microstructural analysis of naturally deformed amphibolite from the Southern Alps (Italy): microstructures, LPO and seismic anisotropies from a fossil passive margin  
M. Zucali, V. Barberini, M. Voltolini, B. Ouladdiaf, D. Chateigner and L. Mancini  
*Rock deformation from Field, Experiments and Theory: A Volume in Honour of Ernie Rutter. Geological Society of London Special Publication (2013)*
- Understanding the cement hydration at the microscale: new opportunities from the "pencil-beam" synchrotron X-ray diffraction tomography  
M. Voltolini, M.C. Dalconi, G. Artioli, M. Parisatto, L. Valentini, V. Russo, A. Bonnin, R. Tucoulou  
*Journal of Applied Crystallography (2013) 46 (1), 142-152*
- Coating thickness determination in highly abosorbing core-shell systems  
H. Palancker, A. Bonnin, V. Honkimaki, H. Suhonen, P. Cloetens, T. Zweifel, R. Tucoulou, A. Rack, M. Voltolini.  
*Journal of Applied Crystallography (2012) 45, 906-913. doi:10.1107/S0021889812031159*
- The influence of the aggregate mineralogy on the Alkali-Silica-Reaction effects on mortars studied by means of X-ray powder diffraction and imaging techniques.  
N. Marinoni, M. Voltolini.  
*Journal of Material Science (2012) 47, 2845-2855.*
- Multifractal analysis of Calcium Silicate Hydrate (C-S-H) mapped by X-ray diffraction microtomography.  
L. Valentini, G. Artioli, M. Voltolini, M.C. Dalconi.  
*Journal of the American Ceramic Society (2012). DOI: 10.1111/j.1551-2916.2012.05255.x*
- The dissolution of laumontite in acidic aqueous solutions: a controlled-temperature in situ atomic force microscopy study.  
M. Voltolini, G. Artioli, M. Moret.  
*American Mineralogist (2012) 97(1), 150-158.*
- 3D imaging of complex materials: the case of cement.  
G. Artioli, M.C. Dalconi, M. Parisatto, L. Valentini, M. Voltolini, G. Ferrari.  
*International Journal of Materials Research (2012) 103(2), 145-150.*
- Synchrotron X-ray computed microtomography investigation of a mortar affected by alkali-silica reaction: a quantitative characterization of its microstructural features  
M. Voltolini, N. Marinoni, L. Mancini.  
*The Journal of Materials Science. (2011) 46, 6633-6641.*

- Evaluation of microstructural properties of coffee beans by synchrotron X-ray microtomography: a methodological approach.

P. Pittia, G. Sacchetti, L. Mancini, M. Voltolini, F. Brun, G. Tromba, N. Sodini, F. Zanini.  
Journal of Food Science (2011) 76(2), E222-E231.

- Texture analysis of volcanic rock samples: quantitative study of crystals and vesicles shape preferred orientation from X-ray microtomography data.

M. Voltolini, D. Zandomeneghi, L. Mancini, M. Polacci.  
Journal of Volcanology and Geothermal Research (2011) 202(1-2), 83-95.

- Hydroxylapatite lattice preferred orientation in bones: A study on macaque, human, and bovine samples

M. Voltolini, H.-R. Wenk, J. Gomez Barreiro, S.C. Agarwal.

Journal of Applied Crystallography (2011) 44, 928-934.

- Quantitative texture analysis from powder-like electron diffraction.

M. Gemmi, M. Voltolini, A.M. Ferretti, A. Ponti.

The Journal of Applied Crystallography (2011) 44, 454-461.

- Texture analysis of a turbostratically disordered Ca-montmorillonite

L. Lutterotti, M. Voltolini, H.-R. Wenk, K. Bandyopadhyay, T. Vanorio

American Mineralogist, (2010) 95, 98-103.

- Preferred orientations of phyllosilicates: Comparison of fault gouge, shale and schist.

H.-R. Wenk, W. Kanitpanyacharoen, M. Voltolini

J. Struct. Geol. (2010) 32, 478-489.

- Quantitative analysis of X-ray microtomography images of geomaterials: application to volcanic rocks

D. Zandomeneghi, M. Voltolini, L. Mancini, F. Brun, D. Dreossi, M. Polacci

Geosphere (2010) 6(6).

- Post-cotunnite phase of the intrametallic compound AuIn<sub>2</sub> at high pressure

B.K. Godwal, S. Speziale, M. Voltolini, H.-R. Wenk, R. Jeanloz

Physical Review B (2010) 82, 064112, 1- 6.

- Anisotropy of experimentally compressed kaolinite-illite-quartz mixtures

M. Voltolini, H.-R. Wenk, N. H. Mondol, K. Bjørlykke, J. Jahren

Geophysics 74, D13 (2009); doi:10.1190/1.3002557

- An investigation of mortars affected by alkali-silica reaction by X-ray synchrotron microtomography: a preliminary study

N. Marinoni, M. Voltolini, L. Mancini, P. Vignola, A. Pagani, A. Pavese

J Mater Sci (2009) 44:5815–5823

DOI 10.1007/s10853-009-3817-9

- Dauphine' twinning and texture memory in polycrystalline quartz. Part 3: texture memory during phase transformation

H.-R. Wenk, N. Barton, M. Bortolotti, S. C. Vogel, M. Voltolini, G. E. Lloyd, G. B. Gonzalez

Phys Chem Minerals (2009)

DOI 10.1007/s00269-009-0302-6

- Deformation of lower-mantle ferropericlase (Mg,Fe)O across the electronic spin transition

J.-F. Lin, H.-R. Wenk, M. Voltolini, S. Speziale, J. Shu, T. S. Duffy

Phys Chem Minerals (2009)

DOI 10.1007/s00269-009-0303-5

- In-situ Phase Transformation and Deformation of Iron at High Pressure and Temperature

L. Miyagi, M. Kunz, J. Knight, J. Nasiatka, M. Voltolini, H.-R. Wenk

Journal of Applied Physics, 2008, 104, 103510

- Long-term leaching test in concretes: An X-ray powder diffraction study

N. Marinoni, A. Pavese, M. Voltolini, M. Merlini

Cement & Concrete Composites 30 (2008) 700–705

- Anisotropy in shale from Mont Terri

H.-R. Wenk, M. Voltolini, H. Kern, T. Popp, M. Mazurek

The Leading Edge 27, 742 (2008); doi:10.1190/1.2944161

- Elastic anisotropy of clay

K. Bandyopadhyay, T. Vanorio, G. Mavko, H.-R. Wenk, M. Voltolini,

(2008) SEG Expanded Abstracts, 27, 1835.

- Preferred Orientations and Anisotropy in Shales: Callovo-Oxfordian Shale (France) and Opalinus Clay (Switzerland)

H.-R. Wenk, M. Voltolini, M. Mazurek, L.R. Van Loon, A. Vinsot

Clays and Clay Minerals; June 2008; v. 56; no. 3; p. 285-306; DOI: 10.1346/CCMN.2008.0560301

- Molecular resolution images of the surfaces of natural zeolites by atomic force microscopy

M. Voltolini, G. Artioli, M. Moret

Microporous and Mesoporous Materials Volume 61, Issues 1-3, 18 July 2003, Pages 79-84. doi:10.1016/S1387-1811(03)00357-3

- Microtopographic features and dissolution behavior of natural zeolite surfaces studied by Atomic Force Microscopy (AFM)

M. Voltolini, G. Artioli, M. Moret

Impact of zeolites and other porous materials on the new technologies at the beginning of the new millennium. Studied in Surface Science and Catalysis 142 (2003)

R Aiello, G Giordano and F Testa (editors)

- Microscopic surface processes observed during the oxidative dissolution of sphalerite

G. De Giudici, M. Voltolini, M. Moret

European Journal of Mineralogy; July, August 2002; v. 14; no. 4; p. 757-762; DOI: 10.1127/0935-1221/2002/0014-0757

### **Conferences/Proceedings**

- The emerging Role of 4D Synchrotron X-Ray Microtomography related to Climate and Fossil Energy Studies  
M. Voltolini, J. Ajo-Franklin, S. Benson, S. Dou, J. Geller, A. Haboub, A. MacDowell, D. Parkinson, L. Zuo.  
*APS User Meeting, 2014. Chicago. (invited)*
- Geological Carbon Sequestration: New Insights from In-Situ Synchrotron X-Ray Microtomography  
M. Voltolini, T.-H. Kwon, J.B. Ajo-Franklin.  
BES Triennial Ops Review of the ALS, 2014, Berkeley, CA.
- Quantitative characterization of soil micro-aggregates: new opportunities from sub-micron resolution synchrotron X-ray microtomography  
M. Voltolini, N. Taş, S. Wang, E.L. Brodie, J.B. Ajo-Franklin  
*Complex Soil Systems, 2014. Berkeley, CA.*
- L. Zuo, J. Ajo-Franklin, M. Voltolini, J. Geller, S. Benson. "Investigation of CO<sub>2</sub> Exsolution in Porous Media and the Impact on Water Relative Permeability".  
GCEP Research Symposium 2013. Stanford, CA.
- Monitoring the dissolution of a limestone in CO<sub>2</sub>-rich brine using 4D synchrotron XR microtomography: impact on single and multiphase flow parameters.  
M. Voltolini, and J. B. Ajo Franklin.  
NCGC Symposium, 2013. Berkeley, CA.
- Experimental development of low-frequency shear modulus measurements during flow-through CO<sub>2</sub> induced dissolution.  
Saltiel, S., B. P. Bonner, M. Voltolini, and J. B. Ajo Franklin.  
In *AGU Fall Meeting Abstracts*, vol. 1, p. 2437. 2013.
- Chlorite reactivity and contribution to flow path modifications under conditions relevant for CO<sub>2</sub> sequestration.  
Beckingham, L. E., L. Yang, J. B. Ajo Franklin, M. Voltolini, J. L. Banuelos, L. M. Anovitz, I. C. Bourg, and C. I. Steefel.  
In *AGU Fall Meeting Abstracts*, vol. 1, p. 1432. 2013.
- Monitoring the Dissolution of a Limestone in CO<sub>2</sub>-rich Brine Using 4D Synchrotron Microtomography: Impact on Single and Multiphase Flow Parameters  
Voltolini, M., and J. B. Ajo Franklin.  
In *AGU Fall Meeting Abstracts*, vol. 1, p. 2762. 2013.
- Spherulites in Trachytic Melts  
Arzilli, F., M. Voltolini M, L.Mancini L, M.R. Cicconi, G. Giuli and M.R. Carroll. Goldschmidt 2013. Florence. Italy.  
*Mineralogical Magazine*, **77(5)** 622.
- Tomographic imaging of nano-seed nucleation in cement pastes  
G. Artioli, M.C. Dalconi, G. Ferrari, M. Parisatto, V. Russo, L. Valentini, M. Voltolini  
EUROMAT 2013 Sevilla.
- Spherulites growth in trachytic melts: a textural quantitative study from synchrotron X-ray microtomography and SEM data F. Arzilli, L. Mancini, G. Giuli, M.R. Cicconi, M. Voltolini and M.R. Carroll  
*EGU General Assembly Conference Abstracts*, vol. 15, p. 5371. 2013
- Mapping the soil heterogeneity at the microbial scale  
Neslihan Taş, Scott Clingenpeel, Giovanni Birarda, Marco Voltolini, Jonathan Ajo-Franklin, Shi Wang, Zaw Ye, Hoi-Ying Holman, Tanja Woyke, Manfred Auer, William Moses, Peter Nico, Jim O'Neil, Janet K. Jansson and Eoin L. Brodie  
Gordon Research Conferences: Applied and Environmental Microbiology. 2013, South Hadley, MA.
- Upgrade of the X-ray powder diffraction station at beamline GILDA-BM08 of the ESRF A. Trapananti, A. Rizzo, C. Maurizio, C. Meneghini, S. Mobilio, M. Merlini, M. Giacobbe, M. Voltolini, F. D'Acapito The 11th International Conference on Synchrotron Radiation Instrumentation, 2012, Lyon, France.

- Geological Carbon Sequestration: new insights from in-situ Synchrotron X-ray Microtomography

M. Voltolini, T.-H. Kwon, J.B. Ajo-Franklin

AGU 2012 Fall Meeting, San Francisco

- Texture and shape preferred orientation in mylonites developed under a complex kinematic frame: the Lalín-Forcarei thrust (NW Iberian Massif, Spain) J. Gomez Barreiro, M. Voltolini, J.R. Martinez-Catalan, H.-R. Wenk, S.C. Vogel, L. Mancini, R. Diez-fernandez

AGU 2012 Fall Meeting, San Francisco

- Chemically reactive acrylic superplasticizers

A. Biancardi, G. Del Zoppo, M. Dragoni, G. Ferrari, M. Gamba, V. Russo, G. Artioli, M. Voltolini

10th International conference of superplasticizers and other chemical admixtures in concrete. 2012 Prague

- Improving micro-CT accuracy on feature extraction through image upscaling.

M. Aurilia, M. D'Auria, M. Voltolini, L. Mancini, L. Sorrentino

ECCM15 2012 Venice

- Quantitative analysis of the shape and crystallographic preferred orientation of a mylonitic orthogneiss from the Monte Rosa (Central Italian Alps): a combined neutron diffraction and X-ray synchrotron microtomography study.

M. Zucali, M. Voltolini, B. Ouladdiaf, L. Mancini

GIGS 2011

- The Pore3D software library applied to the quantitative morphological and textural analysis of three-dimensional images in geosciences

L. Mancini, F. Brun, D. Dreossi, G. Kourousias, M. Polacci, M. Voltolini, G. Tromba

EGU 2011

- Microtomography experiment for texture analysis: 3D shape orientation distribution function of crystals and vesicles in volcanic products

M. Voltolini, L. Mancini, D. Zandomeneghi, D.R. Baker, M. Polacci

EGU 2010

- The Pore3D library package for the textural analysis of X-ray computed microtomographic images of rocks

D. Zandomeneghi, L. Mancini, M. Voltolini, F. Brun, M. Polacci

EGU 2010

- Microstructural features of roasted coffee beans investigated by synchrotron X-ray microtomography.

P. Pittia, G. Sacchetti, L. Mancini, M. Voltolini, G. Tromba , N. Sodini, F. Zanini

IUFOST 2010, 15th World Congress of Food Science and Technology. 2010.

- Use of synchrotron X-ray microtomography to investigate microstructural properties of coffee beans as affected by water state

P. Pittia, G. Sacchetti, L. Mancini, M. Voltolini, G. Tromba, F. Zanini

Frontiers in Water Biophysics, 2010

- Comparative Study of Phyllosilicate Fabrics in Fault Gouge, Shale and Schist

M. Bortolotti, M. Voltolini, H.-R. Wenk

AGU 2008 Fall Meeting

- In-situ Laser Heating and Pressure Change With Radial Diffraction to Investigate Deformation of Deep Earth Relevant Minerals

L. Miyagi, M. Kunz, M. Voltolini, H.-R. Wenk

AGU 2008 Fall Meeting

- Deformation of MgSiO<sub>3</sub> perovskite at high pressure using diamond anvil cells and in- situ radial diffraction

L. Miyagi, M. Kunz, Y. Meng, M. Voltolini, H.-R. Wenk

AGU 2008 Fall Meeting

- Texture analysis of an Al-evaporated thin film with powder electron diffraction data

M. Gemmi, M. Voltolini, H.-R. Wenk

11th European Powder Diffraction Conference, 2008

- Structural Phase Transitions in AuIn<sub>2</sub> at High Pressure  
S. M. Clark, S. Speziale, M. Voltolini, B. K. Godwal, R. Jeanloz  
AGU 2007 Fall Meeting
- Anisotropy in Experimentally Compressed Kaolinite-Illite-Quartz Aggregates: Microstructure, Preferred Orientation and Acoustic Velocities  
M. Voltolini, H.-R. Wenk, N. H. Mondol, K. Bjørlykke, J. Jahren  
AGU 2007 Fall Meeting
- Ferrous clay interactions with a H<sub>2</sub>S-rich fluid  
M. Voltolini, G. Dotelli, G. Artioli, E. Previde Massara  
Fourth Mediterranean Clay Meeting, 2006
- Microstructural characterization of a standard natural clay exchanged with three organic cations.  
P. Gallo Stampino, L. Zampori, G. Dotelli, D. Botta, M. Voltolini  
Fourth Mediterranean Clay Meeting, 2006
- The effect of an H<sub>2</sub>S-rich fluid on rock materials: a first study at low P/T conditions.  
M. Voltolini, G. Dotelli, G. Artioli, E. Previde Massara  
Geoitalia 2005, 5° Forum Italiano di Scienze della Terra. Spoleto, 21-23 settembre 2005. Abst. 20-73, Epitome 1, 128, 2005.
- Microtopographic features and dissolution behaviour of natural zeolite surfaces studied by atomic force microscopy (AFM).  
M. Voltolini, G. Artioli, M. Moret  
2nd FEZA Conference, Taormina, 1-5 September 2002. Abst. OP79.
- Molecular resolution images of the surfaces of natural zeolites by atomic force microscopy.  
G. Artioli, M. Voltolini, M. Moret  
Zeolite '02, International Conference on the Occurrence, Properties and Utilization of Natural Zeolites, Thessaloniki, 3-7 June 2002. Abst. Vol. 29-30.
- AFM investigation of zeolite surfaces.  
M. Moret, M. Voltolini, G. Artioli  
XXXI Congresso Nazionale AIC, Parma, 18-21 Settembre 2001; Abst. Vol., 103.

**Other**

- Cover image (results from a synchrotron XR microtomography experiment) for the book "Geochemistry of Geologic CO<sub>2</sub> Sequestration". Vol. 77 of the Reviews in Mineralogy and Geochemistry. Editors D.J. DePaolo, D.R. Cole, A. Navrotsky, I. Burg. (2013).

*Google Scholar personal link:* [http://scholar.google.com/citations?hl=en&user=mo9t7wAAAAJ&view\\_op=list\\_works&pagesize=100](http://scholar.google.com/citations?hl=en&user=mo9t7wAAAAJ&view_op=list_works&pagesize=100)